

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD  
LAHONTAN REGION

BOARD ORDER NO. 6-86-32

UPDATED WASTE DISCHARGE REQUIREMENTS  
FOR  
HERLONG WASTE MANAGEMENT FACILITY  
Lassen County

159-160-10  
(Since Board  
is working in  
this parcel)

The California Regional Water Quality Control Board, Lahontan Region, finds:

1. Lassen County submitted an updated report of waste discharge on December 4, 1985, for the Herlong Waste Management Facility. The Facility is located on land owned by the Bureau of Land Management. For the purposes of this Order, the County of Lassen and the Bureau of Land Management are hereinafter referred to as the "discharger".
2. The Board previously established waste discharge requirements for the Herlong Solid Waste Disposal Site under Board Order No. 6-73-115, which was adopted on August 23, 1973.
3. The Board is updating waste discharge requirements at this time as part of a statewide program to periodically review and revise all outdated requirements and to reflect recent changes in the California Administrative Code, Title 23, Chapter 3, Subchapter 15 governing waste disposal to land.
4. The Facility is located approximately 1/4 mile east of County Road A26, near the community of Herlong. The site is located on land owned by the Bureau of Land Management and leased to Lassen County within the E1/2 of NE1/4 of NW1/4 of Section 10, T.26N., R.16E., MDB&M, as shown on Attachment "A", which is made a part of this Order. The Facility lies within the Herlong Hydrologic Subunit of the Honey Lake Hydrologic Unit.
5. The site serves the Herlong area and provides disposal for municipal wastes, construction wastes, household refuse and ashes, street refuse and agricultural wastes.
6. The Class III Facility (formerly Class II-2) receives an average of 6 tons (5,428 kilograms) per day or 5,460 cubic yards (4175 cubic meters) of nonhazardous solid waste and inert waste each year.
7. The refuse disposal area is currently operated as a sanitary landfill. The storage/disposal site has an area of approximately 10 acres (4 hectares) and a total capacity of 270,000 cubic yards (206,400 cubic meters). The future life expectancy of the site is 20 years.

8. The 10 acre (4 hectare) site is the only authorized disposal site for nonhazardous solid waste and inert waste at this facility.
9. The geology of the Facility site consists of a thin layer of clayey-silty sand underlain by low to highly permeable Pleistocene lakebed deposits that consist of clay, silt, and sand. The lakebed sequence is more than 100 feet thick with groundwater occurring at a depth of more than 60 feet. According to the Department of Water Resources, groundwater flows in a north-northwest direction.
10. The Facility site consists of fairly level terrain with no consistent drainage flow patterns. The mean annual precipitation level in this area is 8 inches. Long Valley Creek, a perennial stream tributary to Honey Lake, runs 1/2 mile southwest of the Facility.
11. In accordance with Subchapter 15, Chapter 3, Title 23, California Administrative Code (Sc15,C3,T23,CAC), the site is classified as a Class III Waste Management Facility.
12. The Regional Board adopted a Water Quality Control Plan for the North Lahontan Basin on June 26, 1975, and this Order implements the Plan.
13. The beneficial uses of the groundwater of the Herlong Subunit of the Honey Lake Hydrologic Unit as set forth and defined in the Water Quality Control Plan for the North Lahontan Basin are:
  - a. municipal and domestic supply
  - b. agricultural supply
  - c. freshwater replenishment
14. The beneficial uses of Long Valley Creek as set forth and defined in the Water Quality Control Plan for the North Lahontan Basin are:
  - a. agricultural supply
  - b. groundwater recharge
  - c. water-contact recreation
  - d. non-water-contact recreation
  - e. warm freshwater habitat
  - f. cold freshwater habitat
  - g. wildlife habitat
15. These updated waste discharge requirements govern an existing facility which the discharger is currently operating. The project consists only of the continued operation of the existing facility governed by these waste discharge requirements and is therefore exempt from the provisions of the California Environmental Quality Act (Public Resources Code, Section 21000 et. seq.) in accordance with Section 15301, Chapter 3, Title 14, California Administrative Code.

16. The Board has notified the discharger and interested agencies and persons of its intent to update waste discharge requirements for the discharge.
17. The Board in a public meeting heard and considered all comments pertaining to the discharge.

IT IS HEREBY ORDERED, that the discharger shall comply with the following:

I. DISCHARGE SPECIFICATIONS

A. Receiving Water Limitations

1. The treatment, storage or disposal of waste shall not cause any perceptible color, odor, taste or foaming in surface or groundwaters of the Honey Lake Hydrologic Unit.
2. The treatment, storage or disposal of waste shall not cause the presence of undesirable tastes or odors in fish flesh or other edible organisms from surface waters of the Honey Lake Hydrologic Unit.
3. The treatment, storage or disposal of waste shall not cause the presence of any perceptible floating material including but not limited to solids, liquids, foams, and scums in surface waters of the Honey Lake Hydrologic Unit.
4. The treatment, storage or disposal of waste shall not cause the presence of greases, waxes, oils, or other materials in concentrations that result in a visible film or coating on the surface waters of the Honey Lake Hydrologic Unit.
5. The treatment, storage or disposal of waste shall not alter the concentrations of biostimulatory substances in surface waters of the Honey Lake Hydrologic Unit by an amount that could produce an increase in aquatic biomass to the extent that such increases are discernible at the 90 percent significance level.
6. The treatment, storage or disposal of waste shall not cause the pH in surface waters of the Honey Lake Hydrologic Unit to be depressed below 6.5 nor raised above 8.5 pH units. Changes in normal ambient pH levels shall not exceed 0.5 units.
7. The treatment, storage or disposal of waste shall not cause the dissolved oxygen concentration, in terms of percent saturation, in surface waters of the Honey Lake Hydrologic Unit to be depressed more than ten (10) percent, nor at any time to be less than eighty (80) percent of saturation or less than 7.0 mg/l, whichever is more restrictive.

8. The treatment, storage or disposal of waste shall not cause the presence of toxic substances in concentrations that individually, collectively, or cumulatively cause detrimental physiological responses in human, plant, animal, or aquatic life in ground or surface waters of the Honey Lake Hydrologic Unit.
9. The treatment, storage or disposal of waste shall not alter the mean monthly algal growth potential of the surface waters of the Honey Lake Hydrologic Unit to the extent that such alterations are discernible at the 90 percent-significance level.
10. The treatment, storage or disposal of waste shall not cause alterations, discernible at the 90 percent significance level, in species composition in surface waters of the Honey Lake Hydrologic Unit.
11. The treatment, storage or disposal of waste shall not cause the presence of identifiable chlorinated hydrocarbons, organophosphates, carbamates, and other pesticide and herbicide groups in excess of the lowest detectable levels in ground or surface waters of the Honey Lake Hydrologic Unit.
12. The constituent levels in groundwater beneath or downgradient of the site shall not show any statistically significant increases (at a 95 percent confidence level) due to wastes discharged at this facility.

B. General Requirements and Prohibitions

1. The discharge of waste except to the designated treatment, storage or disposal sites is prohibited.
2. No hazardous waste or designated waste shall be deposited at this site.
3. No wastewater septage or sludge, either liquid or dewatered, shall be deposited at this site.
4. Liquids or semi-solid waste containing less than 50 percent solids shall not be discharged at the facility (exemptions may be granted if discharger can demonstrate that such discharge will not exceed the moisture holding capacity of the landfill, either initially or as a result of waste management operations, compaction, or settlement).
5. No solid wastes shall be placed in ponded water from any source whatsoever.

6. The treatment, storage and disposal sites shall be protected from inundation and washout or erosion of wastes or covering materials resulting from a storm or flood having a recurrence interval of once in 100 years.
7. The authorized treatment, storage, or disposal sites shall be in compliance with the classification and siting criteria pertaining to existing Class III (formerly Class II-2) facilities as specified in Sections 2530 and 2533, Article 4, Subchapter 15, Chapter 3, Title 23, California Administrative Code.
8. The authorized treatment, storage, or disposal sites shall be in compliance with the construction standards pertaining to existing Class III (formerly Class II-2) facilities as specified in Sections 2540, 2541, 2544, 2546, and 2547, Article 4, Subchapter 15, Chapter 3, Title 23, California Administrative Code.
9. Surface drainage from tributary areas, and internal site drainage from surface or subsurface sources shall not contact or percolate through the wastes discharged at the facility.
10. The exterior surfaces of the waste management units shall be graded to promote lateral runoff of precipitation and to prevent ponding.
11. Water used for dust control during disposal site operations shall be limited to a minimal amount.
12. Prior to start of the rainy season, compacted impervious cover at least 1 foot thick with a permeability of  $1 \times 10^{-6}$  cm/sec or less shall be placed over all disposal areas containing solid waste, excluding the active face. The disposal area shall be graded to a three percent slope to prevent ponding and percolation of surface water into the waste material.
13. Annually, prior to the anticipated annual rainfall period, all required runoff diversion channels shall be inspected and repaired, if necessary, to prevent erosion or flooding of the site.
14. During the winter months, when precipitation can be expected, the disposal activity shall be confined to the smallest area possible, based upon anticipated quantity of wastes and operational procedures.

15. The discharger shall remove and relocate any wastes which are discharged at this site in violation of these requirements.
16. The discharge of waste shall not cause a nuisance, pollution, or threatened pollution.
17. The discharger shall not dispose of nonhazardous solid wastes that, when combined with other wastes, could create conditions which could impair the integrity of containment features or which could render the wastes hazardous.
18. The discharger shall at all times fully comply with the engineering plans, specifications, and technical reports submitted with the completed report of waste discharge.

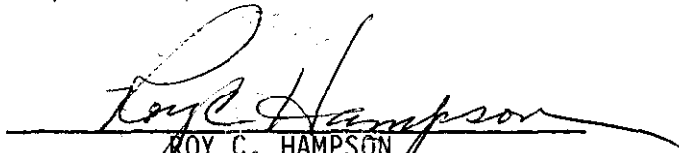
## II. PROVISIONS

1. Board Order No. 6-73-115 is hereby rescinded.
2. The discharger shall comply with Monitoring and Reporting Program No. 86-32 as specified by the Executive Officer.
3. The discharger shall immediately notify the Board by telephone whenever an adverse condition occurs as a result of the discharge; written confirmation shall follow. An adverse condition includes, but is not limited to:
  - a. inundation of the site with flood or storm waters
  - b. discharge of waste to ground or surface waters
  - c. groundwater incursion of the disposal cells as identified during cell construction or as indicated by high groundwater levels in the monitoring wells
  - d. open burning at facility
  - e. discharge of hazardous waste
  - f. contamination of downgradient wells from the discharge of leachate
4. The discharger shall maintain a copy of the Order so as to be available at all times to site operating personnel.
5. Any proposed material change in the character of the waste, manner or method of disposal, increase in landfill volume, or location of discharge, shall be reported to this Board at least 90 days in advance of implementation of any such proposal.
6. The California Regional Water Quality Control Board, Lahontan Region hereby reserves the privilege of changing all or any portion of this Order upon legal notice to and after opportunity to be heard is given to all concerned parties.

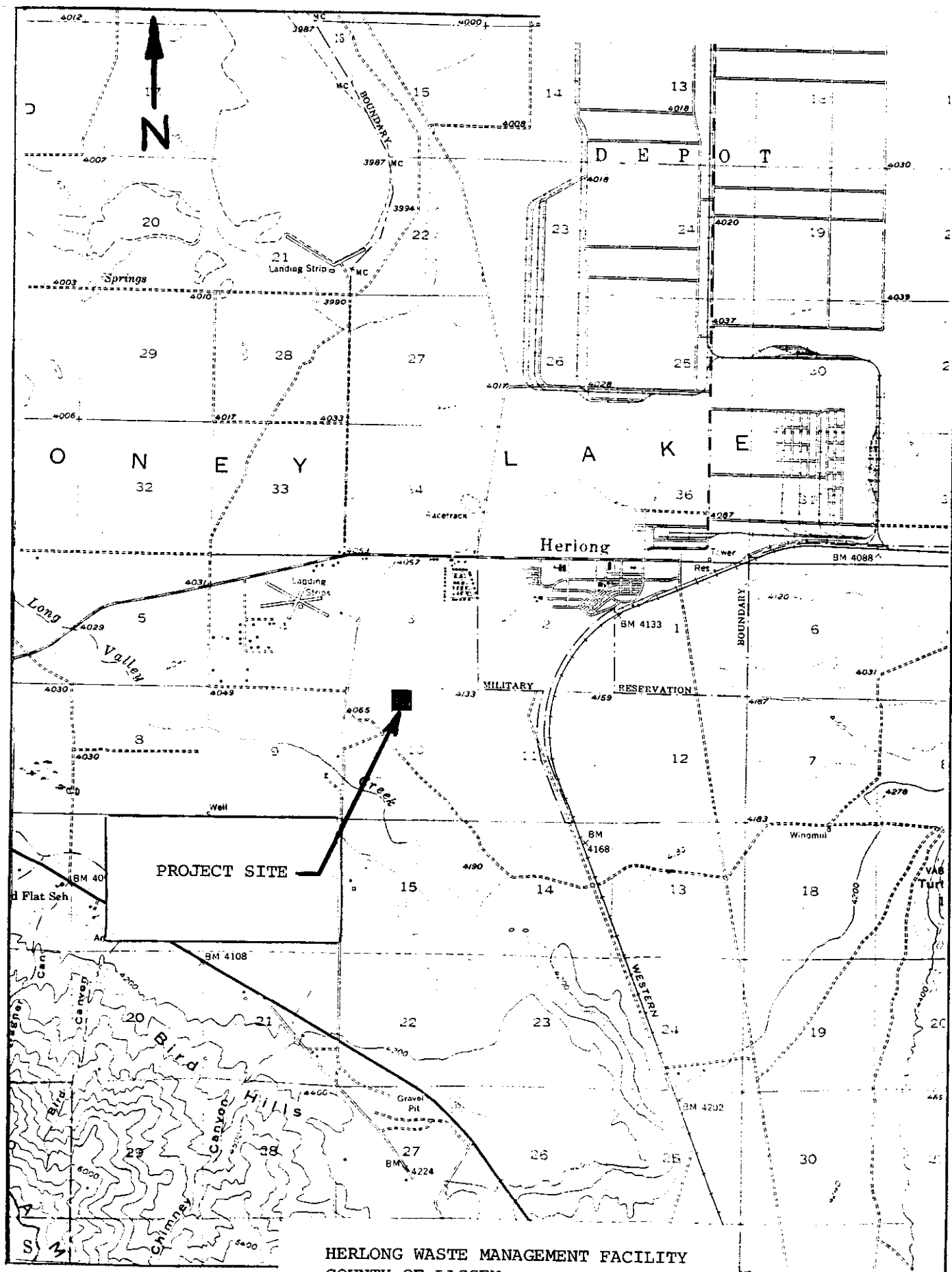
7. "Surface waters", as used in this Order, include, but are not limited to, live streams, either perennial or ephemeral, which flow in natural or artificial water courses and natural lakes and artificial impoundments of waters.
8. "Hazardous, designated, nonhazardous solid, and inert wastes", as used in this Order, are defined by Sections 2521, 2522, 2523, and 2524 of the California Administrative Code, Title 23, Chapter 3, Subchapter 15; Discharges of Waste to Land.
9. "Treatment, storage, and disposal site" as used in this Order includes all "Waste Management Units" within the "Waste Management Facility" as defined in Subchapter 15, Chapter 3, Title 23, California Administrative Code.
10. The discharger shall file a written report within 90 days after the total quantity of wastes discharged at this site equals 75 percent of the reported additional capacity of the site. The report shall contain a schedule for studies, design, and other steps needed to provide additional capacity. If this information is not provided, the total quantity discharged shall be limited to the reported capacity.
11. Within 120 days after adoption of this Order, the discharger shall submit a closure and post-closure maintenance plan to the Board including the information prescribed in Section 2597, Sc 15, C 3, T 23, CAC. This plan shall be prepared by or under the supervision of either a civil engineer or certified engineering geologist registered in the State of California. The method used to close the site and maintain protection of the quality of ground and surface water shall comply with regulations contained in Article 8, Sc 15, C 3, T 23, CAC.
12. The preliminary closure and post-closure maintenance plan submitted pursuant to Provision No. 11 above shall be updated if there is a substantial change in operations, and a report shall be submitted annually indicating conformance with existing operations. A final plan shall be submitted at least 180 days prior to beginning any partial or final closure activities or at least 120 days prior to discontinuing the use of the site for waste treatment, storage or disposal, whichever is greater. The final plan shall be prepared by or under the supervision of either a civil engineer or a certified engineering geologist registered in the State of California. The updating of the plan may be prepared by or under the supervision of the owner and/or operator of the waste disposal site.
13. Pursuant to Section 2591(c), Sc 15, C 3, T 23, CAC, the discharger shall bring the authorized treatment/storage and disposal sites into full compliance with Discharge Specifications I.B.7 and I.B.8 by January 1, 1987.

14. A periodic load-checking program approved by the Executive Officer shall be impelented within 90 days of adoption of this Order to ensure that hazardous materials are not discharged at the Class III landfill.
15. The owner of property subject to waste discharge requirements shall be considered to have a continuing responsibility for ensuring compliance with applicable waste discharge requirements in the operation or use of the owned property. Any change in the ownership and/or operation of property subject to waste discharge requirements shall be reported to this Regional Board. Notification of applicable waste discharge requirements shall be furnished to the new owner and/or operator. A copy of such notification shall be sent to this Regional Board.

I, Roy C. Hampson, Executive Officer, do hereby certify that the foregoing is a full, true, and correct copy of an Order adopted by the California Regional Water Quality Control Board, Lahontan Region, on March 13, 1986.

  
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ROY C. HAMPSON  
EXECUTIVE OFFICER





HERLONG WASTE MANAGEMENT FACILITY  
 COUNTY OF LASSEN  
 E.1/2 NE.1/4 NW.1/4 SECTION 10  
 T.26N. R.16E. MDB&M